

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
3 February 2005 (03.02.2005)

PCT

(10) International Publication Number  
**WO 2005/010300 A1**

(51) International Patent Classification?: **E04H 12/00,**  
**E01F 9/013**

(21) International Application Number:  
**PCT/AU2004/000994**

(22) International Filing Date: **23 July 2004 (23.07.2004)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:  
**2003903807 23 July 2003 (23.07.2003) AU**

(71) Applicant (for all designated States except US): **SIDC**  
**PTY LTD [AU/AU]; c/- Lot 53, Sycamore Road, Park**  
**Ridge South, QLD 4125 (AU).**

(72) Inventors; and

(75) Inventors/Applicants (for US only): **COOPER, Paul,**

**Alan [AU/AU]; Lot 53, Sycamore Road, Park Ridge South,**  
**QLD 4125 (AU). COOPER, Antony, James [AU/AU];**  
**c/- Lot 53, Sycamore Road, Park Ridge South, QLD 4125**  
**(AU).**

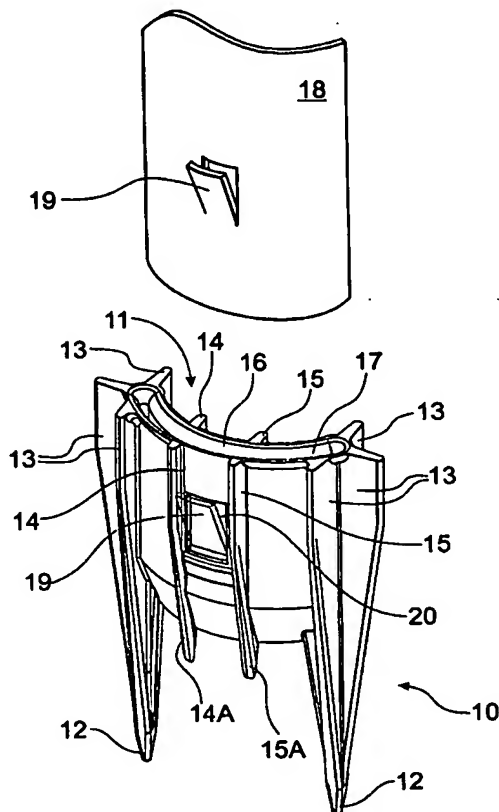
(74) Agent: **FISHER ADAMS KELLY; Level 13, AMP Place,**  
**10 Eagle Street, Brisbane, QLD 4000 (AU).**

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: **ANCHOR DEVICE FOR SUPPORTING A POST**



(57) Abstract: A method of installation of a post (18) in the ground which includes the steps of: (i) forming a hole in the ground; (ii) locating a ground anchor (10, 10A) in the hole having one or more internal sockets (16, 16B) wherein the or each internal socket is substantially flush with ground level; and (iii) inserting the guide post in the internal socket whereby said post is retained therein with a major part of the post extending above ground level whereby flexing of the post upon impact may occur about a hinge point (52) corresponding with ground level comprises a first "special technical feature". Also claimed is a ground anchor (10) for supporting a guide post in the ground having a body and one or more ground penetration members (12) and at least one internal socket (16) for receiving the guide post in use wherein there is provided retaining means (19) for retaining the guide post within said at least one internal socket in use wherein said retaining means is located adjacent said at least one internal socket for effecting release of the guide post from said at least one internal socket when required.

WO 2005/010300 A1

GM, KI, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SI, SK, TR), OAPI (BF, BJ, CI, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*